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		09/701,562		Shafer				01/16/01	
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U.S. PATENT DOCUMENTS

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE  IF APPROPRIATE
PAR		4,685,777	08/11/1987	Hirose	G02B	17/08	<u>e</u>
		5,575,207	11/19/1996	Shimizu	B41E	13/24	759806 72/01
Ma	,	5,323,263	06/21/1994	Schoenmakers	G02B	17/08	
PAR		5,052,763	10/01/1991	Singh et al	G02B	1/10	03
OKA		4,701,035	10/20/1987	Hirose	G02B	17/06	
			/				
						·	
	-		_	FOREIGN PATENT DOCUME	ENTS		

#### FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBCLASS	Translation		
							YES	NO
01/2		EP 0 779 528 A2	18/06/1997- 6/18/1997	Europe	G02B	17/08	>	
PRO		EP 0 869 383 A2	07/10/1998 10/7/1998	Europe	G02B	17/08	<b>J</b>	
DAR		DE 196 39 586	4/2/1998	Germany			1	
-								

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

examiner Deborah Rainen

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SHEET <u>1</u> OF <u>2</u> (REV. 7-80)

FORM PTO-1449

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# LIST OF REFERENCES CITED BY APPLICANT

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#7 IDS

DOCKET NO.:

1641/1K021US1

SERIAL NO:

09/759,806

David R. SHAFER FILING DATE:

January 12, 2001

**CONFIRMATION NO:** 

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## **U.S. PATENT DOCUMENTS**

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*EXAMINER	DOCUMENT					
INITIALS	NUMBER	<u>DATE</u>	<u>NAME</u>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE</b>
4						79
OKA	1. 4,171,871	10/23/79	Dill et al.	350	199	6/30/97
<i>UN</i>	2. 4,232,969	11/11/80	Wilczynski	356	401	5/30/79
IKE	3. 4,595,295	6/17/86	Wilczynski	356	401	12/20/84
DAR	4. 5,063,586	11/5/91	Jewell et al.	378	34	5/30/90
DAG	5. 5,071,240	12/10/91	lchihara et al.	359	366	9/8/90
VA.	16. 5,078,502	1/7/92	Cook	359	366	8/6/90
DE	7. 5,089,913	2/18/92	Singh et al.	359	727	7/11/90
PAKA	8. 5,153,898	10/6/92	Suzuki et al.	378	34	2/28/92
ALD	9. 5,159,172	10/27/92	Goodman et al.	219	151.68	8/7/90
VAP	10. 5,212,588	5/18/93	Viswanathan et al.	359	355	4/9/91
OM	<b>Հ11. 5,220,590</b>	6/15/93	Bruning et al.	378	34	5/5/92
PAN	<b>∟</b> 12. 5,241,423	8/31/93	Chiu et al.	359	355	4/9/91
PRO	<b>1</b> 3. 5,315,629	5/24/94	Jewell et al.	378	34	7/19/91
<b>AND</b>	<b>~</b> 14. 5,353,322	10/4/94	Bruning et al.	378	34	5/20/93
map	L15. 5,401,934	3/28/95	Ainsworth, Jr. et al.	219	121.18	3/8/93
PAI	Å16. 5,410,434	4/25/95	Shafer	359	858	9/9/93
()A	<b>Å</b> 17. 5,515,207	5/7/96	Foo	359	731	11/3/93
DAI	<sup>ጊ</sup> 18. 5,537,260	7/16/96	Williamson	359	727	10/8/93
DM	L19. 5,608,526	3/4/97	Piwonka-Corle et al.	356	369	1/19/95
DA	20. 5,686,728	11/11/97	Shafer	250	492.2	5/1/96
DAF	21. 5,742,436	4/21/98	Furter	359	727	5/5/95
gyo.	22. 5,805,357	9/8/98	Omura	359	727	6/12/97
	23. 5,805,365	9/8/98	Sweatt	359	858	10/12/95
<i>UK</i> (\$	24. 5,815,310	9/29/98	Williamson	359	365	12/12/95
<del></del>	<del>25. 5,935,275</del>	<del>-11/10/98 -</del>	Takahashi et al.	359	629	-6 <del>/27/9</del> 7
,	26. 5,956,192	9/21/99	Williamson	359	859	9/18/97
D K.F	(27. 6,014,252	1/11/00	Shafer	359	355	2/20/98
* 8 5 4	28. 6,033,079	3/7/00	Hudyma	359	857	3/15/99
QAQ	L29. 6,142,641	11/7/00	Cohen et al.	359	859	6/18/98
OPKA.	30. 6,169,627	01/02/01	Schuster	359	364	05/5/99
•		(English Equi	valent of DE 196 39 5	86 cited	in a previous	IDS)

SHEET 2 OF 2

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

(REV. 7-80)



## LIST OF REFERENCES CITED BY APPLICANT

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1641/1K021US1

SERIAL NO:

FILING DATE:

09/759,806

David R. SHAFER

January 12, 2001

**CONFIRMATION NO:** 

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#### **FOREIGN PATENT DOCUMENTS**

*EXAMINER	DOCUMENT			TRANSL	ATION		
INITIALS	NUMBER	DATE	COUNTRY	<u>CLASS</u>	<u>SUBCLASS</u>	YES	NO
		i hah	16				
OKK	31. EP 0 604 093	11/19/97 6/29/9	<sup>9</sup> EPO	G02B	17/08	X	
MXR	32. EP 0 816892	<del>6/0/99</del> -1/1/98	EPO	G02B	17/08	Χ	
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# **OTHER REFERENCES** (INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

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